ATTACHMENT A - RESUMES

GEORGE N. THEBARGE, AICP
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OBJECTIVE

Senior planning & management service to apply my planning and economic development skills and experience, contributing to an organization's pursuit of excellence.

PROFESSIONAL EXPERIENCE

Jan 2007 to Present – GEOplan Consulting, Westbrook, Maine
Land Use Planning & Economic Development Consultant

- Mission Statement: *A positive and innovative approach to land use planning*
- Provided economic development & planning services to municipal & private clients
- Rewrote land use ordinances & developed administrative procedures
- Prepared rezoning proposals & guided public review process
- Provided Planning Board peer review technical services
- Successfully applied for grants under CDBG, Project Canopy, Brownfields, & Efficiency Maine funding programs
- Prepared strategic plans for projects funded under these grant programs & managed them
- Organized economic development activities & projects working with Community Economic Development Committee & private Economic Development Corporation
- Developed master plans & negotiated development agreements for downtown revitalization & new development areas
- Negotiated settlements of land use violations
- Negotiated settlement of sewer fee dispute
- Conducted land use assessments for private clients
- Represented developers & homeowners at Zoning & Planning Boards
- Project manager for residential & commercial projects
- Coordinated tree growth management
- Clients & projects in Cumberland, Falmouth, Gray, Raymond, Poland, Scarborough, South Portland, & Windham

Jan 2001 to Dec 2006- Town of Falmouth, Maine
Community Development Director

- Award winning programs for commercial revitalization, watershed management, open space preservation, bicycle/pedestrian planning, & compact development (2005 Maine Association of Planners best plan in Maine award)
- Supervisor for Planning and Zoning/Code Enforcement Divisions
- Economic Development Director
- Negotiated public/private development partnerships
- Chairman of PACTS Planning Committee (Greater Portland MPO)
- Working group member at state level for revising Maine's Growth Management Act

Jun 1988 to Dec 2000 - Town of Falmouth, Maine
Planning Director

- Developed and managed one of the top planning departments in northern New England for inner suburb of Maine's largest city
- Project manager for three updates of town's Comprehensive Plan
- Responsible for all development & design reviews
- Trained & managed planning staff
- Advisor to appointed Comprehensive Plan Advisory Committee, Conservation

Commission, & elected Town Council
- Drafted zoning & subdivision ordinances
- Staff to Board of Zoning Appeals & Planning Board

Sept 1981 to Aug 1986 - Town of Falmouth, Maine
Code Enforcement Officer
- Building & plumbing inspector
- FEMA flood program administrator
- Zoning administrator
- Staff to appointed Board of Zoning Appeals & Planning Board

EDUCATION

1973 to 1977 - University of Maine at Orono
Bachelor of Arts in Zoology
- Graduated with high distinction
- Semester at Dalhousie University in Halifax, Nova Scotia Canada
- Summer work study at Ira C. Darling marine laboratory
- University of Maine Varsity Rifle Team

1986 to 1988 - Regent University, Virginia Beach, Virginia
Master of Arts in Public Policy
- Graduated magna cum laude
- Internship at United States Senate
- President of student council

1988 to Present
Continuing Professional Development
- Attended 13 APA national conferences in cities across America & Canada
- Attended annual regional conferences across Maine, New Hampshire, & Vermont
- Attended Maine Association of Planners annual conferences
- Site design course Harvard University
- Retail market analysis course Seaside, Florida
- Numerous local planning workshops & conferences
- Speaker at National Business Institute land use law seminars
- Subscriber to Planning Magazine, Journal of American Planning Association, & Zoning News

PROFESSIONAL MEMBERSHIPS

- American Institute of Certified Planners (AICP)
- American Planning Association (APA)
- Northern New England Chapter of APA
- Maine Association of Planners

ACCREDITATIONS American Institute of Certified Planners

LANGUAGES French & Spanish

VOLUNTEER WORK

- Strategic planning for non-profit organizations
- Community development work in El Salvador
- Town of Windham Middle School Expansion Committee
- Church elder, Covenant Family Fellowship
- Small group leader inner city mission in Portland, Maine

RANSOM
Consulting
Engineers
and Scientists

ANDREW M. LAND
GIS Specialist

EDUCATION

M.S. in Geographic Information Systems
University of Redlands

B.A. in Geography
University of Southern Maine

PROFESSIONAL TRAINING

ESRI Instructor-Led Training:

- Introduction to ArcGIS II
- Working with ArcGIS Spatial Analyst
- Geodatabase Design Concepts
- Building Geodatabases I
- Modeling Geodatabases Using CASE Tools
- Advanced Analysis with ArcGIS
- Introduction to Geoprocessing Scripts Using Python
- Customizing ArcIMS using ArcXML

ESRI Virtual Campus Training

- Using LiDAR Data in ArcGIS 10.0
- Learning ArcGIS Spatial Analyst
- Learning ArcGIS 3D Analyst

PROFESSIONAL PRESENTATIONS

- "Data Management and Workflows for NPDES Phase II Requirements" Maine Municipal Association Technology Conference
- "GIS for Street Openings Management" Maine Municipal Association Annual Meeting
- "Information Technologies for Economic Development," Economic Development Council of Maine Annual Seminar
- "Geodatabases: Tips and Tricks," University of Southern Maine GIS Brown Bag Lunch Series
- "A Public Participatory GIS Framework Design for Ala Kahakai National Historic Trail Inventory and Monitoring," ESRI Colloquium Series Presentation
- "Data Models: A Mechanism for Planning," Annual Meeting of the New England-St. Lawrence Valley Division of the Association of American Geographers, Poster Presentation
- Geological Society of America Northeastern Section Meeting, Poster Presentation
- "Alternate Z-Value Surface Analysis of Fabric Orientation in Regional Transpression Related To Dextral Norumbega Shearing, Mid-Coast Maine," *Geological Society of America Abstracts with Programs*, Vol. 36, No. 2, p. 101

GENERAL BACKGROUND

In conjunction with a Master of Science degree in GIS, Andrew has 8 years of professional and academic GIS experience. He has extensive training and knowledge in GIS theory, GIS project planning, geodatabase design, data management, model building, multi-criteria spatial analysis, regression analysis, cartography (2D & 3D), web-based GIS applications, mobile mapping applications, GIS education, and GPS field data collection. Andrew is also adjunct faculty at the University of Southern Maine, where he instructs introductory ArcGIS classes for the Geography/Anthropology Department. Andrew has experience with the following GIS software: ArcGIS Desktop 10.x, 9.x, 8.x; ArcPad 10.x, 7.x, 6.x; Spatial Analyst; 3D Analyst; Geostatistical Analyst; ArcGIS

Publisher; Arcview 3.x; Google Earth Professional Edition.

EXPERIENCE

GIS integration with IMC Police Dispatch. Working as a subcontractor, Andrew worked with the City of Westbrook Maine Police Dispatch Center to integrate Existing GIS base maps into GIS modules within Tritech IMC dispatch software. In addition to general base map integration, Andrew enhanced the City's level of accuracy in geocoding by deriving unique address points from building centroids instead of relying on range-based or parcel-based interpolations.

South Portland Street Openings Management Program. Working closely with the client, Andrew conducted user needs analysis and conceptual modeling for a GIS-based Street Openings Management application. Once complete, Andrew was responsible for the database design, database automation via model building, ArcPAD Applications for field inspections, and the development of an ArcReader (free GIS viewer) application for the client.

Stormwater Master Plan, City of Portsmouth, New Hampshire. Andrew was responsible for data management, completing data modeling, coordinating data transmittals to the client, assisting in dry weather outfall inspections, and completing cartographic output. Andrew also worked directly with the client to refine the data model for their stormwater infrastructure.

On-call GIS support for the Town of South Berwick, Maine. On an as-needed basis, Andrew provided GIS support to the Town of South Berwick, Maine. Support provided to the town has ranged from basic technical issues, to assistance with spatial analysis, to lessons on advanced cartographic techniques.

Southern Maine Regional Planning Commission Brownfields Inventory. Andrew was responsible for developing an interoperable database solution in support of storing and managing data collected for ongoing Brownfield surveys. In addition to database design, Andrew also developed a Google Earth-based solution for visualizing both the location and supporting documentation of highlighted brownfield sites.

Eastern Fine Paper Brownfields, Brewer, Maine. Primary responsibilities for Andrew on this project included high quality cartographic output in the form of site plans and multivariate maps highlighting findings from field data collected by both Edwards and Kelcey and the Maine Department of Environmental Protection. In addition to cartographic output, Andrew provided base interpolations of field data to sub-consultants for further interpretation and interpolation.

Tweed New Haven HVN Aeronautical Study. Andrew worked with engineers from the Edwards and Kelcey Manchester Office to develop geo-processing models in support of automating workflows and analysis for the Tweed New Haven HVN Aeronautical study.

National Park Service, Ala Kahakai National Historic Trail, Kailua-Kona, Hawaii. Andrew's project responsibilities included user needs analysis, conceptual modeling, development of data collection and management strategies, recommendations for developing geodetic control within the extent of the Ala Kahakai National Historic Trail, development of a pilot Ala Kahakai National Historic Trail internet mapping site, research focused on community-based mapping projects, and on-site training. Mr. Land's work on this project proved the feasibility of public participation in National Park Service Inventory and Monitoring activities.

Municipal GIS and Stormwater Drainage Mapping, Yarmouth, Maine. Working with the Town of Yarmouth, Andrew developed

strategies for storm-water drainage mapping, completed field data collection for storm- water drainage mapping, conducted data management, and provided cartographic output. Additional services provided included a workshop hosted by Andrew and the Town Engineer for municipalities in the process of storm-water drainage mapping as part of U.S. EPA National Pollutant Discharge Elimination System Phase II permitting requirements. This project resulted in a working model for storm-water drainage mapping. In addition, Andrew's work with the Town of Yarmouth became a catalyst for the Cumberland County Soil and Water Conservation District/Cumberland County Interlocal Stormwater Work Group Summer GIS Intern Program. In addition to stormwater drainage mapping, Andrew was responsible for updating Assessors' maps and re-designing the Assessors' map book.

Public Works Department, Project Canopy GIS Framework Development, Scarborough, Maine. Andrew's project responsibilities included completing grant proposals, conducting user-needs analysis, working with local private-sector arborists to develop functional requirements and models for tree inventory and monitoring, completing conceptual modeling, developing of data entry applications, and designing geodatabases. Andrew's work on this project resulted in a GIS framework for tree inventory and monitoring in the town.

Cumberland County Soil and Water Conservation District/Americorps, GIS Intern Coordinator, Windham, Maine. Andrew provided assessment of the municipal needs in the scope of stormwater mapping. He also selected and hired interns for municipalities in the Cumberland County Interlocal Stormwater Workgroup, developed training workshops for GIS interns, and monitored the progress of the GIS interns.

CURRENT RESEARCH AND DEVELOPMENT IN SPATIAL INFORMATION TECHNOLOGY

Paperless Field Data Collection. Stemming from past project-based implementations of paperless field data collection, Andrew is continuing to design solutions for field data collection and field data management which are both paperless and interoperable with the use of GIS office-wide.

In addition to paperless field data collection, Andrew continues to research and design applications for the innovative delivery of information to clients, such as using no-cost GIS viewers, ArcGIS.com, and Google Earth-based applications.